

L 02244-67 EWT(1) JM  
ACC NR: AR6013691

SOURCE CODE: UR/0058/65/000/010/H033/H033

59

B

25

AUTHOR: Andrushkevich, V. S.; Toreyev, A. I.

TITLE: Certain problems in the theory of O-type backward wave tubes in the presence  
of reflections

SOURCE: Ref. zh. Fizika, Abs. 10Zh224

REF SOURCE: Sb. Vopr. elektron. sverkhvysok. chastot. Vyp. I. Saratov, Saratovsk.  
un-t, 1964, 47-56

TOPIC TAGS: Backward wave tube, space charge, electron beam, electron reflection

ABSTRACT: The authors analyze the influence of reflections in the linear mode of a  
backward wave tube, with allowance for damping in the system and simultaneous allow-  
ance for the space charge of the beam and attenuation of the system. The equation  
for the excitation of the line by the bunched current and the equation for the per-  
turbation of the electron beam by the field of the line yield, when obtaining a solu-  
tion by the method of successive approximation, a system of equations which determines  
the starting conditions. By comparing them with the starting conditions of a backward  
wave tube without reflection, it is possible to find the ratio of the starting cur-  
rents of a resonant and nonresonant backward wave tube and the change in phase of the  
signal. Circle diagrams are presented, which give the dependence of these parameters  
on the modulus and on the phase of the reflection coefficient for different values of  
space charge and attenuation. Introduction of attenuation of the order of 4-5 db  
limits the region of variation of the ratio of the starting currents to a value

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ACC NR: AR6013691

0.5-1.5, and the change of the signal phase is limited to values 2.4-4.1. Allowance for the space charge leads to a certain increase in the region of variation of the indicated parameters, but it has a smaller effect than attenuation. A. B. [Translation of abstract]

SUB CODE: 09, 20

Card 2/2 fm

MAKSIMOV, V.F.; TORF, A.I.

Use of a jet apparatus for the purification of exhaust gases in  
sulfate woodpulp manufacture. Trudy LTITSBP no.13:155-160 '64.

(MIRA 18:2)

GUROV, A.N., dotsent; LOGINOV, A.P., dotsent [deceased]; RABINOVICH, G.L., dotsent; RUSIN, Z.Kh., dotsent; EYDINOVA, L.L., dotsent; TORF, I.F., prepodavatel'; ALEKSANDROV, A.M., prof., red.; FILIPPOVA, E., red.; LEBEDEV, A., tekhn. red.

[State budget of the U.S.S.R.] Gosudarstvennyi biudzhet SSSR. Moskva, Gosfinizdat, 1961. 560 p. (MIRA 15:2)

1. Kafedra Gosudarstvennogo byudzheta SSSR Leningradskogo finansovo-ekonomiceskogo instituta (for all except Filippova, Lebedev).

(Budget)

Torgonenko, K. Ye.

NEDOSPASOV, A.V.; TORGONENKO, K.Ye.

The range of low-voltage arc in inert gases. Radiotekh. i elektron.  
2 no. 4:494-501 Ap '57. (MLRA 10:9)

1. Moskovskiy elektrolamplvyy zavod.  
(Electric discharges through gases)

TORGONENKO, Ye.

TORGONENKO, Ye.

~~New wage rate for builders in operation and problems in its improvement. Sots. trud no.2:58-66 P '58.~~ (MIRA 11:1)  
~~(Construction industry--Production standards)~~

Decrease in content of sodium chloride of blood after vomiting. Árpád Torday, *Progr. Heilap.* 78, 950-61 (1934).—The bad effects of vomiting are caused not only by loss of liquids but also by loss of Cl of the organism. An administration of 10-20% or dil. NaCl soln. after vomiting was beneficial. S. S. de Vinkdy

APPROVED FOR RELEASE: 08/31/2001

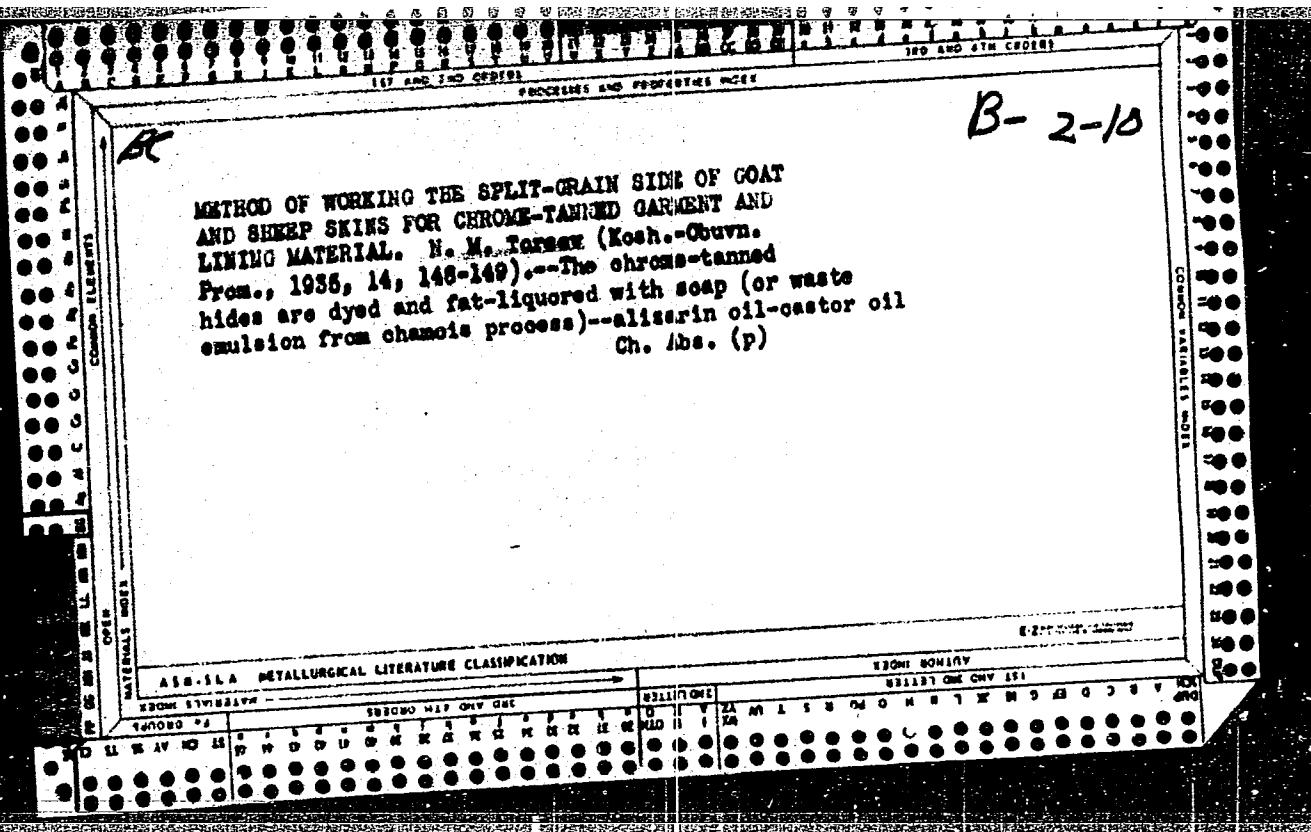
CIA-RDP86-00513R001756320008-9"

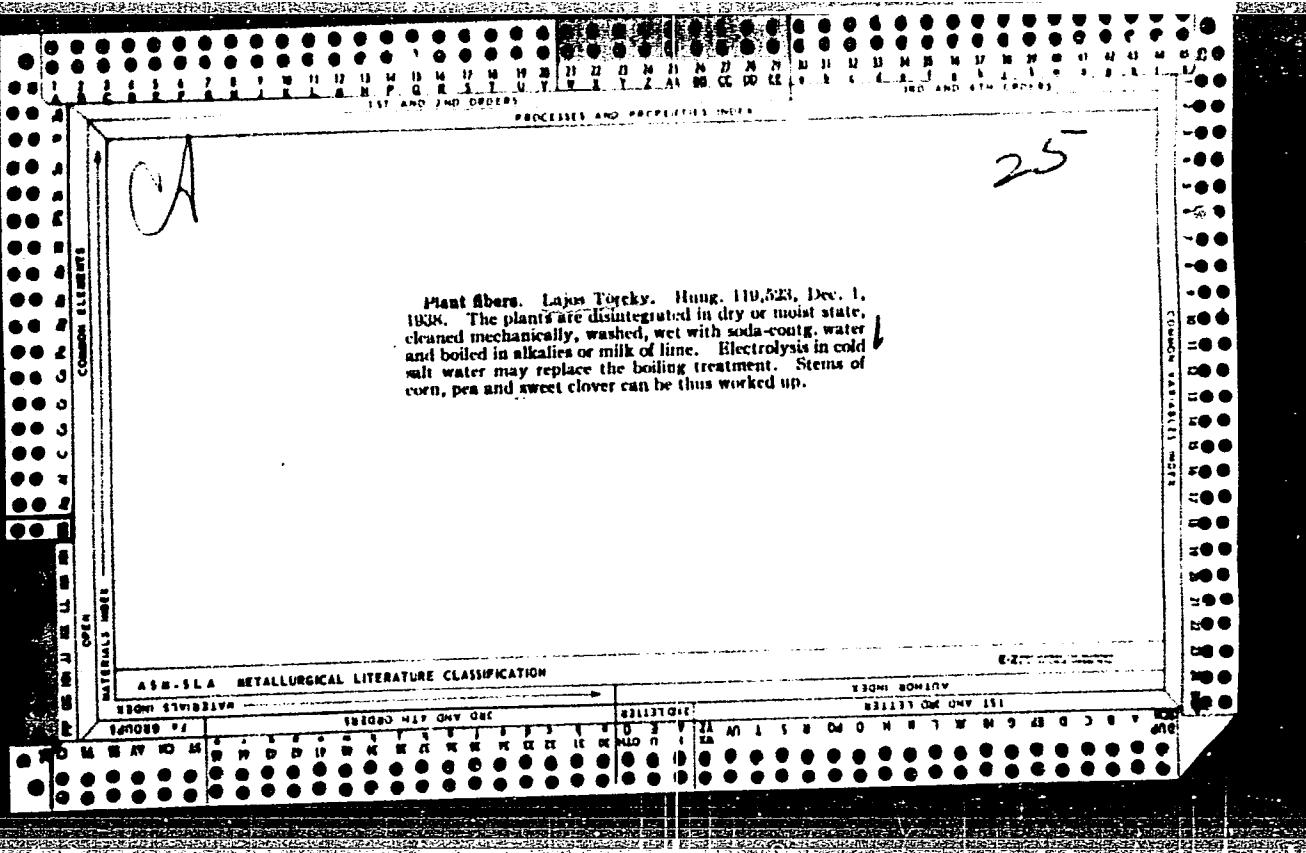
29

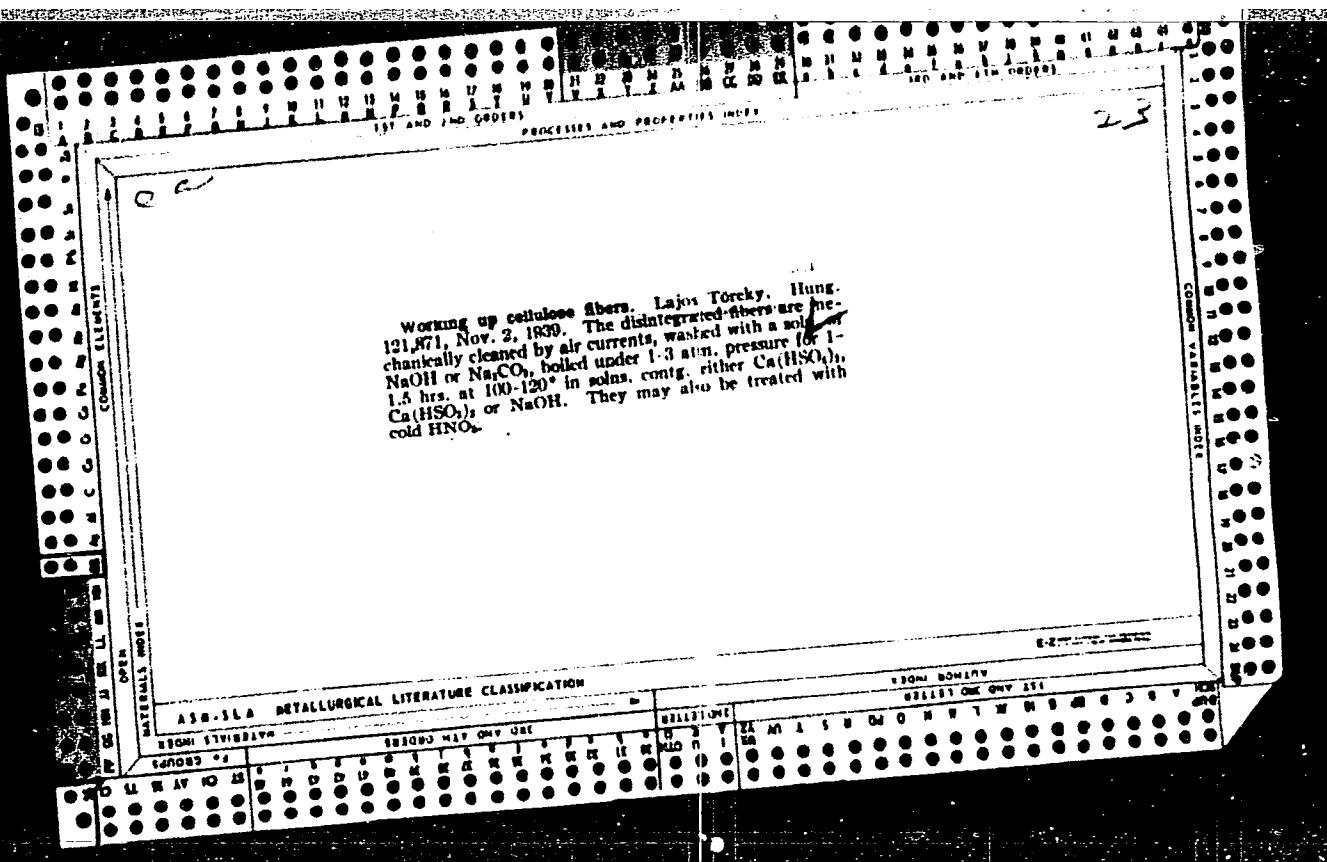
Method of working the split grain side of goat and sheep skins for chrome-tanned garment and lining material. N. M. Torev, *Azotkrovno-Chuvays Prom.* 14, 148-9 (1938).—Goat skins are split after liming, cleaning of the face, fleshing, Na<sub>2</sub>S treatment at 16-18°, and washing in running water. The grain-side split is weighed, washed at 18-20°, delimed with HCl, softened, pickled, tanned by using in the first drum 100% of spent soln., 4% NaCr<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>, and 0.8% Na<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> and a second soln. of 4% Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> and water 100%. After a resting period, the skin is washed in running water at 35°, neutralized with 0.4-1% Na<sub>2</sub>CO<sub>3</sub>, and dyed. It is fat-liquored with (a) monopol soap 2, alizarin oil 2 and castor oil 0.75%, or (b) emulsion (waste from the chamois process contg. 50 g. fat per l.) 35, alizarin oil 1.5 and castor oil 0.75%. The finished product contains Cr<sub>2</sub>O<sub>3</sub> 3.65-5.14 and fat 8.70-14.1%; breaking strength is 1.27-2.57 kg./sq. mm., elongation 23.7-24.4%, av. thickness 0.79 mm., and weight 0.45 g. per sq. mm. The sheep skins are limed for 6 days, washed in running water at 16-18°, softening, split, treated with HCl, softened with 0.2-0.8% concentrate (of the weight of the split sheep skins) and then treated in the same way as goat skins. A. A. B.

## ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	97







TORE, K.: FOTO, I.

AGRICULTURE

Periodicals; PER BIJQUELLEINE SOCIALISTE.

TORE, K. FOTO, I. Our experiences in raising lambs. p. 19.

Vol. 13, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 5  
May 1959, Unclass.

TORECKI, Stanislaw (Warszawa)

Impulse heating of cylindrical walls. Archiw bud masz 10  
no. 35-351-382-163.

TOREN, M. D.

"Ispol'zovaniye dikorastushchikh rasteniya v russkoj narodnoj meditsine."  
report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

TORENT'EV, N. N. jt. au.

Organize agricultural experimental stations. Moskva, Krest'ianskaia gazeta, 1930. 77 p.

1. Agricultural experiment stations - Russia. I. Torrent'ev, N. N., jt. au.

TOREV, A.K.

Common meadow mushroom as a stimulator of the growth and development of plants. Bot. zhur. 50 no.4:528-532 Ap '65. (MIRA 18:5)  
1. Sel'skokhozyaystvennyy institut, Plovdiv, Bolgariya.

## BULGARIA

P. PEICHEV, N. NIKIFOROV and D. TOREVA, Department of Pharmacology of Medical College (Katedra po farmakologiya pri VMI) "I.P. Pavlov", Head (rukovoditel na katedrata) Docent P. PEICHEV, Plovdiv.

"Effect of the 'Salt Spring' Water from the Naretschen Spa on Canine Gastric Motility."

Sofia, Eksperimentalna Meditsina i Morfologiya, Vol 2, No 2, Apr-Jun 1963; pp 43-48.

Abstract [English summary modified]: Radioactive mineral waters were found to potentiate slightly gastric peristalsis in dogs. They are used as drink in gastric disturbances; their effectiveness is thus presumed established. Two kymograms, 3 tables; 13 Bulgarian ref's.

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L 45830-66 EWT(1) JM  
ACC NR: AR6015969

SOURCE CODE: UR/0275/65/000/011/A025/A025

58  
B

AUTHOR: Andrushevich, V.S.; Toreyev, A.I.

TITLE: Some problems in the theory of an O-type backward-wave oscillator tube in the presence of reflections

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 11A156

REF SOURCE: Sb. Vopr. elektron. sverkhvysok. chastot. Vyp. I. Saratov, Saratovsk. -  
un-t, 1964, 47-56

TOPIC TAGS: backward wave tube, space charge, electron beam

ABSTRACT: The effect of reflections under linear operating conditions in a backward-wave oscillator tube is determined with regard to attenuation in the system and with simultaneous consideration to the space charge of the beam and attenuation. The equation for line excitation by grouped current and the equation for perturbation of the electron beam by the line field are solved by the method of successive approximations to give a system of equations which defines starting conditions. A comparison of these conditions with those for a tube without reflections gives a relationship for the starting currents of resonance and nonresonance backward-wave oscillator tubes and the change in signal phase. Polar diagrams are given for these parameters as a function of the modulus and phase of the reflection coefficient for various space charges and attenuations. Bibliography of 13 titles. A. B. [Translation of abstract]

SUB CODE: 09

UDC: 621.385.633

Card 1/1

TORGASHINA, M.G.; FEDENYUK, V.G. (Moskva)

Adhesive paper tape for labeling machines. Shvein.prom.  
no.6:32 N-D '59. (MIRA 13:4)  
(Labeling machines)  
(Clothing industry--Equipment and supplies)

Country : Rumania  
Category : CULTIVATED PLANTS.COMMERCIAL . Oleiferous. Sugar-  
Beating.  
Abs. Jour. : REF ZHUR.BIOL.,21,1958,NO.96664

Author : Toma, D.; Dan, A.; Voines, R.  
Institut. : ~~Biological~~  
Title : The Behavior of Certain Lines and Varieties of  
Sunflowers in Natural Conditions in the RPR  
Orig. Pub. : Probl. agric., 1958, 10, NO.3, 33-39

Abstract : No abstract

card: 1/1

110

MITIN, Sergey Andreyevich; GOHERMAN, M.D.; MIKHAYLOV, P.D.; RUSAKOV, A.N.; SEMIBRATOV, V.N.; TORGONENKO, Ye.A.; GIROVSKIY, V.F.,  
glav. red.; USPENSKIY, V.V., zam. glav. red.; BASHIHSKIY,  
S.V., red.; GOREBUSHIN, P.B., red.; GUREVICH, M.S., red.;  
LEYKIN, B.P., red.; MALYUGIN, V.I., red.; BOGINA, S.L., red.  
izd-va; NAUMOVA, G.D., tekhn. red.

[Manual on labor and wages in construction] Spravochnik po  
trudu i zarabotnoi plate v stroitel'stve. Pod red. S.A. Mitina.  
Moskva, Gosstroizdat, 1962. 581 p. (MIRA 15:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-  
issledovatel'sky institut ekonomiki stroitel'stva.  
(Wages—Construction industry)

KOVALEV, A.P.; IPPOLITOV, A.S.; TORGONENKO, Yu.M.; BKHADURI, D.; CHELNOKOV, N.I.;  
SHNEYDER, Yu.R.

Flame propagation in laminar and turbulent flows. Inzh.-fiz. zhur.  
(MIRA 17:11)  
no.10:28-36 0 '64.

1. Energeticheskiy institut, Moskva.

TORGOV, A.M.

Escapements of time recorders with a steady gear ratio.  
Nauch. dokl. vys. shkoly; mash. i prib. no.2:233-247 '59.  
(MIRA 12:12)

(Clocks and watches--Escapements)

KOGAN, L.M.; ORANSKAYA, M.S.; SUVOROV, N.N.; SKRYABIN, G.K.;  
TORGOV, I.V.

Microbiological transformations of steroids. Report No.1:  
Preparation of  $\Delta^4$ -pregnene-17 $\alpha$ , 20 $\beta$ ,21-troil-3-one by  
means of actinomycetes. Izv. AN SSSR Otd.khim.nauk no.2:302-  
303 F '62.

1. Institut khimii prirodnykh soyedineniy AN SSSR i Institut  
mikrobiologii AN SSSR.  
(Pregnene)  
(Actinomycetes)

RZHEZNIKOV, V.M.; ANANCHENKO, S.N.; TORGOV, I.V.

Synthesis of some D-homosteroids. Izv.AN SSSR.Otd.khim.nauk  
no.3:465-470 Mr '62. (MIRA 15:3)

1. Vsesoyuznyy institut eksperimental'noy endokrinologii i  
Institut khimii prirodnnykh soyedineniy AN SSSR.  
(Homosteroids)

5 (0)

AUTHOR: Torgov, I. V.

sov/79-29-3-1/61

TITLE: Ivan Nikolayevich Nazarov (Deceased)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 701-723 (USSR)

ABSTRACT: Nazarov was born on July 12, 1906, a son of peasants. In his early youth he became a teacher, but he soon entered the Agricultural Academy imeni Timiryazev and after his graduation as post-graduate student he became the assistant to the well-known chemist and Academician Favorskiy, A. Ye. at Leningrad University. In 1934 he was called to work at the Institute of Organic Chemistry in Moscow, where he remained till the end of his life. In 1935 he was awarded the title of a Candidate of Chemical Sciences in acknowledgment of his work "Metal Ketyls of the Aliphatic and Aliphatic-aromatic Series". From 1936 onward he supervised the investigations of the synthesis of membrane-forming products and began his remarkable work in the chemistry of acetylene and vinyl acetylene. In 1941 he took the degree of a Doctor of Chemistry on the subject "Investigations in the Field of Acetylene Derivatives, the Synthesis of Vinyl Acetylene Alcohols and Their Transformations", and became the Head of the Laboratory for Exact Organic Synthesis. His further scientific

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Ivan Nikolayevich Mazarov (Deceased)

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and technical activity may be summarized as follows: 1) Organization of the industrial production and application of the carbinol glue invented by him (products that are obtained from the polymers of vinyl acetylene alcohols) for gluing together plastics, metals, glass etc. For this activity carried out during the war he was appointed Corresponding Member of the Academy of Sciences, USSR in 1946. Until his death in 1956, he and his collaborators published, inter al, the following works picked at random: 1) On the Synthesis of Several Physiologically Active, Pain-killing Heterocyclic Compounds Related to the Steroids. 2) On the Synthesis of Natural Terpenes and Terpenoids. 3) Investigations in the Theoretical Field of Stereochemistry and Diene Synthesis. 4) On the Electrophilic Substitution of the Aromatic Hydrocarbons. His publications, known and appreciated also abroad, amount to almost 500. He was also very successfully active in the educational field. More than forty scientific students took the degrees of doctors and candidates of chemical sciences under his guidance. The Government honored him with many decorations. On the whole, his scientific conceptions excelled by profoundness and inventiveness. There are 38 Soviet references.

SUBMITTED: November 10, 1958  
Card 2/2

5 (3)  
AUTHORS: Nazarov, I. N. (Deceased), Andreyev, V. M., SOV/79-29-3-8/61  
Torgov, I. V.

TITLE: Diene Synthesis With the Participation of Trans- $\alpha$ -dihydro-  
muconic Acid (Diyenovyy sintez s uchastiym trans- $\alpha$ -digidro-  
mukonovoy kisloty)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 775-778 (USSR)

ABSTRACT: The authors continued their earlier work (Ref 1), concerning  
cyclic compounds, with a trans-arrangement of the cycles and  
they further condensed dienes with  $\alpha, \beta$ -unsaturated dicarboxylic  
acids, of such a structure that the forming cyclic dicarboxylic  
acids could be transformed into the corresponding transindanone  
derivatives by subsequent cyclization (Scheme 2). This scheme  
would offer the possibility of avoiding the complicated and  
multiple-stage way, per reference 2, which has hitherto been  
followed in such cases. The condensation of dimethyl ester  
of trans- $\alpha$ -dihydromuconic acid [(butene-1-dicarboxyl-1,4 acid  
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SOV/79-29-3-8/61

Diene Synthesis With the Participation of Trans- $\alpha$ -dihydromuconic Acid

condensation of compound (I) with vinyl cyclohexene led to transdiester (IV) which, owing to the migration of the double bond into the  $\alpha$ -position between the cycles, could not be hydrogenated with catalysts. The saponification of diester (IV) yielded the corresponding acid, which was proven according to scheme 4. Also the acid (VI), a homologue of dihydromuconic acid, was synthesized according to scheme 5; it could, however, not be condensed with divinyl. There are 5 references, 1 of which is Soviet.

ASSOCIATION: Institut organicheskoy khimii Akademii nauk SSSR  
(Institute of Organic Chemistry of the Academy of Sciences,  
USSR)

SUBMITTED: October 20, 1958

Card 2/2

SOV/79-29-3-11/61

5 (3)  
AUTHORS:

Torgov, I. V., Nazarov, I. N. (Deceased)

TITLE:

Synthesis of the Steroid Compounds and Their Related Compounds  
(Sintez steroidnykh soyedineniy i rodstvennykh im veshchestv).  
XLVI. The Acetate of  $\Delta^2$ -Cyclohexenol-4-one-1 and Its Condensation With 1-Vinyl-6-methoxy-3,4-dihydronaphthalene (XLVI. Ats-  
tat  $\Delta^2$ -tsiklogeksenol-4-ona-1 i yego kondensatsiya s 1-vinil-  
6-metoksi-3,4-digidronaftalinom)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 787-793 (USSR)

ABSTRACT:

In the present paper the authors describe the synthesis of  
the acetate of  $\Delta^2$ -cyclohexenol-4-one-1 (I) and its condensa-  
tion with 1-vinyl-6-methoxy-3,4-dihydronaphthalene (II). After  
long and fruitless attempts the authors succeeded in carrying  
out the synthesis of the ketone (I) (24% yield) (Scheme 3),  
by the oxidation of the acetate of  $\Delta^2$ -hexenol-1 with the  
tertiary butyl chromate, together with carbon tetrachloride  
and acetic acid. Its structure was determined by hydrogenation  
into the known compound (III). The attempt to obtain the ketone  
(I) from (III) by bromination and dehydrobromination (Ref 2)  
was unsuccessful, as resinification occurred in all cases  
(Scheme 4). In the further attempt to obtain compound (I) by

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SOV/79-29-3-11/61

Synthesis of the Steroid Compounds and Their Related Compounds. XLVI. The Acetate of  $\Delta^2$ -Cyclohexenol-4-one-1 and Its Condensation With 1-Vinyl-6-methoxy-3,4-dihydronaphthalene

bromination with N-bromo succinimide of ketal of  $\Delta^2$ -cyclohexenone-1, with subsequent treatment of potassium acetate and acetic acid, the authors only succeeded in synthesizing phenyl- and diphenyl-ether of ethylene glycol. Compound (I) enters the diene synthesis with certain difficulties. It only reacts with the reactive 1-vinyl-6-methoxy-3,4-dihydronaphthalene (II) at 150-160°, forming a mixture of products, from which the compound (XII) (5% yield), (XIII) and two dimers of the initial diene (XIV- $\alpha$  and XIV- $\beta$ ) could be separated (Scheme 5). There are 12 references, 7 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii Akademii nauk SSSR  
(Institute of Organic Chemistry of the Academy of Sciences, USSR)

SUBMITTED: February 21, 1958

Card 2/2

TORGOVITSKAYA, M.S.; BORISOVSKAYA, B.L.; FAL'KOVA, I.I.; YUZEFPOL'SKAYA, A.I.

~~Salmonella~~ diseases in Zaporozh'ye. Zhur.mikrobiol.epid. i  
immun. 30 no.5:135 My '59. (MIRA 12:9)

1. Iz Zaporozhskoy oblastnoy sanitarno-epidemiologicheskoy  
stantsii. (SALMONELLA INFECTIONS, epidemiol.  
in Russia (Rus))

TORF, A.

Automobile and motorcycle club in Piritu. Za rul. 17  
(MIRA 13:4)  
no.12:16 D '59.

1. Zam. predsedatelya ispolkova Tallinskogo gorsoveta,  
(Pirita--Automobiles--Societies, etc.)

MAKSIMOV, V.F., kand.tekhn.nauk; BUSHMELEV, V.A., starshiy inzhener;  
TORF, A.I., starshiy inzhener

Testing of an experimental system for high-speed gas purification  
apparatuses in the lime recovery shops of the Segezha Central Paper  
Combine. Trudy LTITSBP no.11:82-93 '62. (MIRA 16:10)

TORF, S.F.

USSR/Chemistry - Synthesis

Card 1/1 Pub. 151 - 38/42

Authors : Torf, S. F., and Khromov-Borisov, N. V.

Title : Synthesis of nitro-, amino, and oxy-derivatives of the diphenylethane series

Periodical : Zhur. ob. khim. 24/9, 1674-1684, Sep 1954

Abstract : The synthesis of diphenylethane series hydrocarbons and their conversion into p,p'-dinitro, p,p'-diamino and p,p'-dioxy derivatives are described. The physico-chemical properties of five such hydrocarbons were analyzed. It was established that the presence of two alkyls in positions 1 and 2 of the diphenylethane aids the arrangement of the nitro-groups in p- and p'-positions. The effect of methyl or ethyl positions in the diphenylmethane molecule and the effect of carbon-chain elongation on the yield of the conversion products are explained. Twenty references: 10-USA; 6-USSR; 1-English; 1-French and 2-German (1866-1952).

Institution : Acad. of Med. Sc. USSR, Scientific Research Chemical Pharmaceutical Institute, Institute of Experimental Medicine, Pharmacology Dept., Laboratory of Synthetic Chemistry, Leningrad

Submitted : April 9, 1954

TORF, S.F.; KHROMOV-BORISOV, N.V.

Alkylated diamino derivatives of the diphenylethane series. Zhur.  
ob.khim.24 no.12:2168-2173 D '54. (MIRA 8:3)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh  
nauk SSSR.  
(Ethane) (Alkylation)

TORF, S.F.

### Derivatives of esters of meso- $\alpha$ - -ketonate

(CN)<sub>2</sub>CHP(=O)(OC<sub>2</sub>H<sub>5</sub>)<sub>2</sub>, m. 101° according to BIORH. Hydrolysis of 75 g. (Ph<sub>2</sub>CH)<sub>2</sub>N<sub>2</sub> followed by sepn. of the Vierwinkel product gave a ppt. of

Inst. Exptl. Med., AMS USSR

Torfs F. and Pharray-Borisov N.Y.

with EtOH gave the *de-Et* ether, m. 146-17;  $\text{Me}_2\text{NCH}_2$ ,  $\text{CH}_2\text{OH}$  similarly give the *de-CH<sub>2</sub>* ether, m. 146-17;  $\text{CH}_2\text{Cl}_2$  gave the *de-CH<sub>2</sub>Cl* ether, m. 146-17;  $\text{CH}_2=\text{CH}_2$  gave the *de-CH=CH<sub>2</sub>* ether, m. 146-17.

Received 10/10/68  
Mailed 10/10/68

W

TORF, S. F.

*Synthesis of some derivatives of  $\alpha,\beta$ -diamino- $\alpha,\beta$ -dihydro- $\beta$ -keto- $\beta$ -butyric acid*

*in diphenylsulfane*

RM

*26-1-51*  
TORF, S.P.; KHROMOV-BORISOV, N.V.

*Hexamethylenebis-trimethylammonium salts (hexonium and hexonium B).*  
*Med.prom. 12 no.2:18-21 F '58.* (MIRA 11:3)

1. Institut eksperimental'noy meditsiny AMN SSSR  
(AMMONIUM COMPOUNDS)

TORF, S.F.; KHRONOV-BORISOV, N.V.

Diphensuccinden and 2,6-dioxydiphensuccinden. Zhur.ob.khim. 28  
no.9:2452-2458 S '58. (MIRA 11:11)

1. Institut eksperimental'noy meditsiny AMN SSSR.  
(Indenoindene)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Studies in the series of alkylated aromatic amines. Part 1:  
Methylated derivatives of phenylenediamines. Zhur. ob. khim.  
30 no.6:1798-1805 Je '60. (MIRA 13:6)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh  
nauk SSSR, Leningrad.  
(Phenylenediamine)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Synthesis of sigetin (dipotassium salt of p,p'-disulfo-meso 3,4-diphenylhexane). Med. prom. 15 no. 3:13-14 Mr '61. (MIRA 14:5)

1. Institut eksperimental'nyy meditsiny AMN SSSR.  
(HEXANE)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Fluorine- and sulfur-containing derivatives of meso-3,4-diphenylhexane. Zhur. ob. khim. 31 no. 7:2102-2106 Jl '61.

(MIRA 14:7)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.

(Hexane)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Bis-trimethylammonium and bis-dimethylsulfone compounds of  
the diphenylethane series as curarelike substances. Med. prom.  
15 no.6:18-22 Je '61. (MIRA 15:3)

1. Institut eksperimental'noy meditsiny AMN SSSR.  
(CURARELIKE SUBSTANCES)

TORF, S.F.; KHROMOV-BORISOV, N.V.

Some derivatives of 1,4-bis (dimethylamino)- and 1,4-bis (diethylamino)-  
2,3-dihydroxybutane. Zhur. ob. khim. 32 no.6:1838-1846 Je '62.  
(MIRA 15:6)

1. Leningradskiy institut eksperimental'noy meditsiny Akademii  
meditsinskikh nauk SSSR.  
(Butane) (Chemistry, Organic-Synthesis)

TORF, S.F.; KUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.; MIKHAYLOVA, T.A.

Synthesis of some derivatives of pyrazole containing the diethyl-aminoacetyl amino or trimethyl ammonium group in the position<sub>4</sub>.  
Zhur. ob. khim. 32 no.6:1740-1746 Je '62. (MIRA 15:6)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk  
SSSR, Leningrad.  
(Pyrazole)

TORE, S.F.; KHROMOV-BORISOV, N.V.; INDENBOM, M.L.

Methyldiazil, methyldiphacil and their quaternary ammonium salts.  
(MIA 15:2)  
Med. prom. 15 no.12:19-25 D '61.

1. Institut eksperimental'noy meditsiny AMN SSSR.  
(ANTISPASMODICS)

TORFIMOV, A. V.

Carbon

Isotopic constitution of carbon in magmatic rocks. Dokl., AN SSR 105, no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1953. Unclassified.

TOFFIMOV, A.V.

Carbon

Isotopic constitution of carbon in magmatic rocks. Dokl., AN SSR 85, no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

TORGASHOV, F.V.

~~Electric forging tilter. Kuz.-shtam.proizv. 1 no.5:~~  
Suspended electric forging tilter. Kuz.-shtam.proizv. 1 no.5:  
(MIRA 12:10)  
32-33 My '59.  
(Forging machinery)

IL'YENKO, O.G.; PEROV, Ye.V., kand. tekhn. nauk, otd. red.; DUROV,  
S.A., doktor khim. nauk, red.; PONOMAREV, I.F., doktor khim.  
nauk, red.; MOROZOVA, A.I., kand. khim. nauk, red.; ~~TOPCASHEV~~,  
P.D., kand. khim. nauk, red.; POGREBTSOVA, L.V., red. izd-va;  
NAUMOVA, Yu.A., tekhn. red.

[Motor-vehicle fuels and lubricants] Avtomobil'nye topliva i  
smazochnye materialy. Novocherkassk, Redaktsionno-izdatel'-  
skii otdel NPI, 1960. 112 p. (MIRA 15:11)  
(Motor vehicles--Lubrication) (Motor fuels)

TORGASHEV, P. D.

AUTHORS: Durov, S.A., Professor, Doctor of Chemical Sciences, and Bykov, I.Ya.; Vologdina, M.P.; Krevtsova, N.M.; Nemirovskiy, Ya. M.; Perova, N.I., and Torgashev, P.D., Candidates of Chemical Sciences

TITLE: The Training of Specialists in Chemistry - to Attain the Level of New Tasks (Khimicheskuyu podgotovku spetsialistov - na uroven' novykh zadach) Our Considerations (Nashi soobrazheniya)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 9, pp 28-29 (USSR)

ABSTRACT: The authors consider that the article of Professor I.N. Putilova and Docent G.A. Raytsyn in Nr 7 of this periodical was published at the proper time, as it substantiates the necessity to bring the teaching of chemistry closer to the speciality of the respective vtuz, to revise the theoretical part of the course's program and to entitle the various vuzes to compose their own programs according to their individual sections. The authors (personnel of the Chairs of Inorganic and Organic Chemistry of the Novocherkassk Polytechnical Institute) set forth in the present article their considerations on the suggestions of I.N. Putilova and G.A. Raytsyn and describe how instruction in chemistry is organized in the Institute's various faculties. Since the number of students coming from plants is increasing year to year, and as many of them require a review course, the most important sections of elementary chemistry should be retained. The idea of specializing chemistry according to the type of vuz is absolutely correct. There is 1 Soviet reference.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320008-9

ASSOCIATION: Novocherkasskiy politekhnicheskly institut imeni S. Ordzhonikidze  
(Novocherkassk Polytechnical Institute imeni S. Ordzhonikidze)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320008-9"

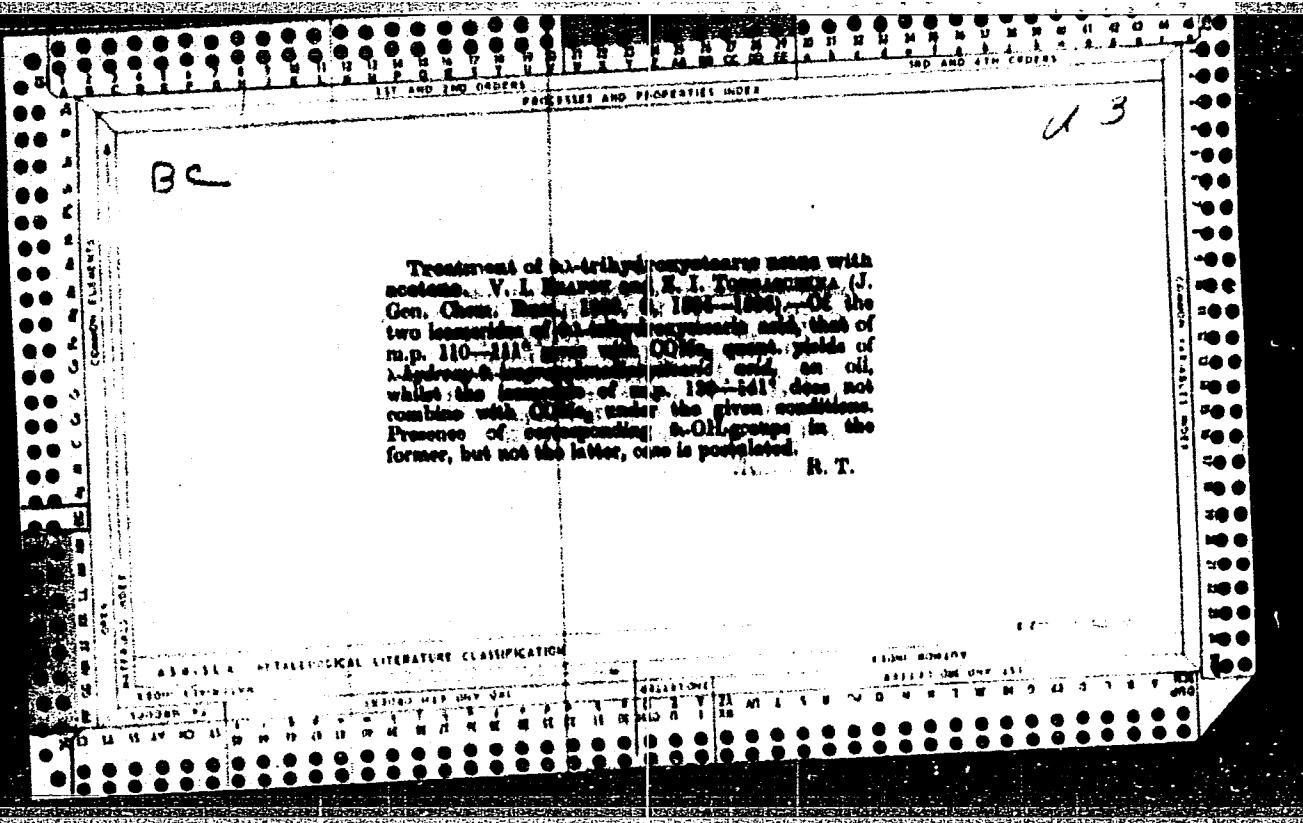
TORGASHEV, P.D., dotsent, kand.khimicheskikh nauk; CHEN, N.G.,  
assistant, kandidat khimicheskikh nauk

Use of radioisotopes for the investigation of physico-  
chemical processes taking place inside the boilers of simple  
units. Trudy NPI 47:113-129 '58. (MIRA 13:5)

1. Novocherkasskiy ordena Trudovogo Krasnogo Znameni  
politekhnicheskiy institut im. Sergo Ordzhonikidze, kafedra  
obshchey i neorganicheskoy khimii.  
(Boilers) (Radioisotopes)

~~TORGASHEV, P.M., vettekhnik (Remenskiy rayon, Moskovskoy oblasti)~~

~~Treating mastitis in swine. Veterinariia 35 no.11:44 N '58.  
(Swine--Diseases) (MIRA 11:11)  
(Mammary glanda-Diseases)~~



USSR/Cultivated Plants. Cereals.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77651.

Author : Torgasheva, A. P.

Inst : Stavropol Scientific-Research Institute of Agriculture.

Title : Grain Legume Crops in the Zone of Variable Moisture  
in the Stavropol Kray.

Orig Pub: Byul. nauchno-techn. inform. Stavropol'sk. n.-i. in-ta  
s.-kh., 1957, No 3, 25-27.

Abstract: No abstract.

Card : 1/1

KARAYEV, M. F.; TORGASHIN, S. F.

Textile industry and fabrics

Setting up the basic thread after the method of L. N. Tigalomskais., Tekst. prom., no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

KARAYEV, M.F.; TORGASHIN, S.F.

Textile industry and fabrics

Setting up the basic thread after the method of L. M. Tigalomskaia., Tekst. prom., no. 2, 1952.

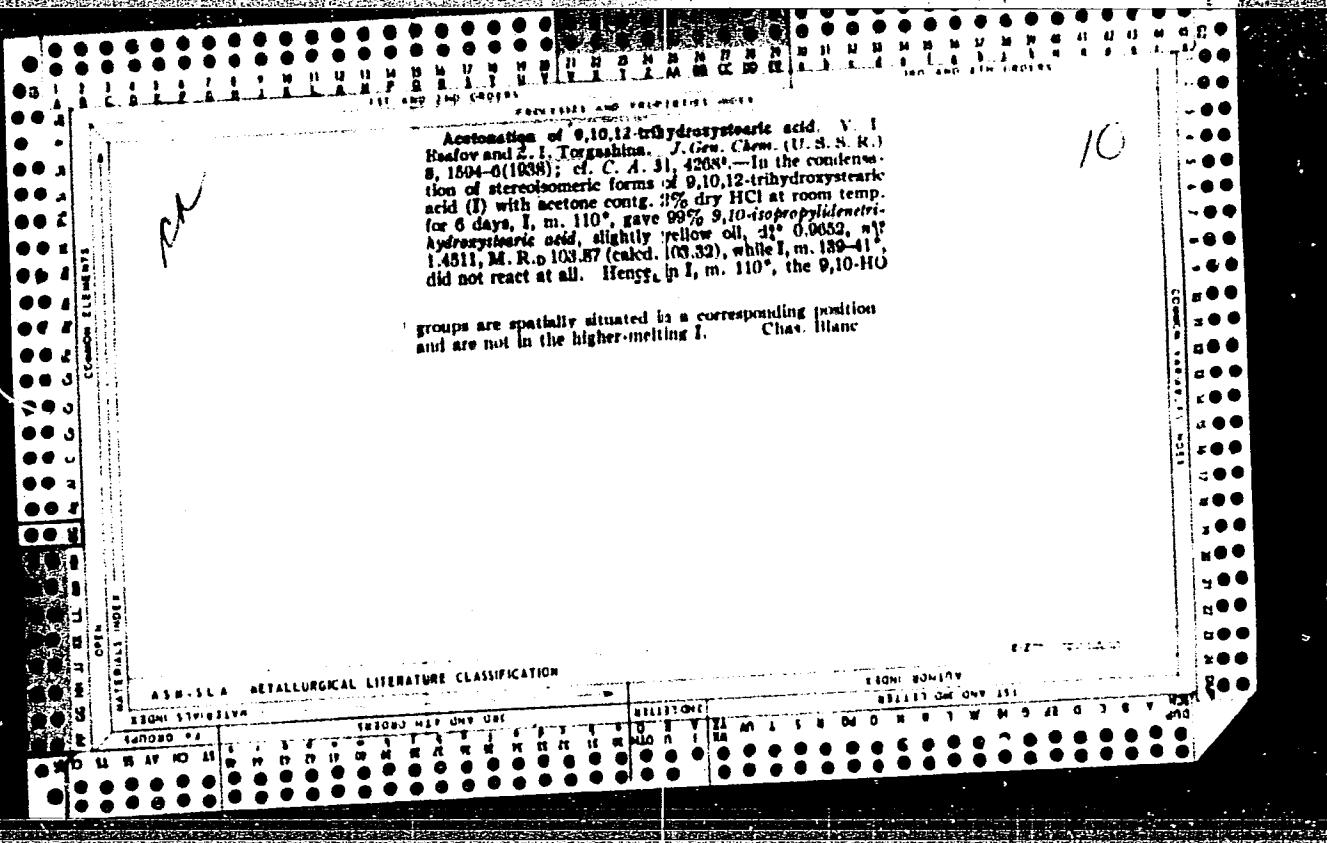
Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED

ZIMROY, I.A.; TORGASHINA, T.M.

Enlisting students' help in the collection of mollusks for chick  
feed. Biol. v shkole no.3:60-61 My-Je '60. (MIRA 13:7)

1. Kurskiy pedagogicheskiy institut.  
(Poultry--Feeding and feeds)  
(L'gov District--Mollusks)





USSR/Chemical Technology - Chemical Products and Their Application. Treatment of Natural Gases and Petroleum. Motor Fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62580

Abstract: the oxidized product of carboxylic acids and aldehydes oxygen content in residue was decreased to 0.21% (as compared with 2.72%) which indicates the low content in the oxidation products of such compounds as alcohols and ethers.

Card 2/2

TORGASHINA, Z.I.; NAUMCHUK, A.L.

Reaction of vinyl esters with compounds containing mobile hydrogen.  
Part 1. Reaction of vinyl butyrate with esters of malonic acid.  
Zhur. ob. khim. 26 no. 12: 3353-3355 D 1956. (MIRA 10:11)

1. Chernovitskiy gosudarstvennyy universitet.  
(Butyric acid) (Malonic acid)

L 47374-66 ENT(d)/ENT(1)/ENT(v)/T-2/ENT(k)/ENT(h)/ENT(1) WW

ACC NR: AP6029071

SOURCE CODE: UR/0413/66/000/014/0128/0129

4

INVENTOR: Gerlovin, L. I.; Chernovin, N. A.; Averin, V. A.; Nagibin, A. Ya.; Torgashov, A. L.; Aleksandrovskiy, A. A.; Sigachev, V. P.; Mikhaylovskiy, M. M.; Mironov, M. I.

56  
B

ORG: none

TITLE: Valve with a hydraulic or pneumatic piston drive. Class 47, No. 184084  
[announced by the Special Design Office of the Baltic Boiler Building Factory in  
Sergo Ordzhonikidze (Spetsial'noye konstruktorskoye byuro kotlostroyeniya Baltiyskogo  
zavoda)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 128-129

TOPIC TAGS: valve, hydraulic piston drive, pneumatic piston drive, Hydraulic device,  
pneumatic device, piston engine

ABSTRACT: The proposed valve with a hydraulic or pneumatic piston drive is designed  
for opening and closing the through flow-section of main and auxiliary pipings. In  
order to synchronize the opening and closing of both pipings, its control piston is  
provided with an annular groove, which, in the open valve position, connects the

Card 1/2

URC: 621.646.23-82-85

L 47374-66

ACC NR: AP6029071

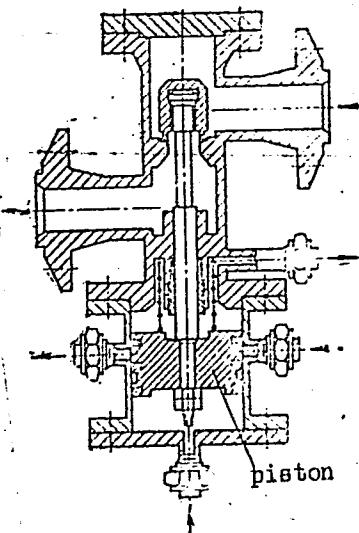


Fig. 1. Piston valve

intake and outlet cavities of the auxiliary piping (see Fig. 1). Orig. art. has:  
1 figure.

[AV]

SUB CODE: 2143/SUBM DATE: 11May65/

Card 2/2 mjs

BLANTER, M.Ye.; GARBUZOVA, N.Ye.; TORGASHOVA, A.G.

Mechanism of the recovery of strain-hardened iron under the  
effect of rapid heating. Metalloved. i term. obr. met. no.4:  
22-26 Ap '65. (MIRA 18:6)

1. Vsesoyuznyy zaochnyy mashinostroitel'nyy institut.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320008-9

TORGMAN, A. I.

"Textbook on Aircraft Piloting", Voyenizdat, M., 1947.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320008-9"

TORGMAN, A.I.

Textbook of Aerial Navigation. Voyenizdat (1947)

TORGMAN, A. I.

PHASE X

TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 752 - X

BOOK

Call No.: AF657727

Authors: SOKOLOV, V. I., Maj. Gen. of Aviation, KUDRYAVTSOV, N. F., GORSHKOV, M. F.,  
KUNITSKIY, R. V., TORGMAN, A. I.

Full Title: AIRCRAFT NAVIGATION (Textbook)

Transliterated Title: Samoletovozhdeniye

PUBLISHING DATA

Originating Agency: None

Publishing House: State Publishing House of the Ministry of Defense of the USSR

Date: 1955 No. of p.: 367 No. of copies: Not given

Editorial Staff: Sokolov, V. I., Maj. Gen. of Aviation

PURPOSE AND EVALUATION: A textbook for aviation schools and for the flying personnel  
of the Air Force. The text is easy to follow. Its value is only instructional.

TEXT DATA

Coverage: The book is presented in an easily accessible form, and is provided with 200  
diagrams and 16 tables. The instruments are shown mostly schematically, and  
are not identified by trademarks. A number of examples of calculation of navi-  
gational data are given.

NOTE: See card for SOKOLOV, V. I. for pages 2-4 of the report.

TSATURYAN, A.T.; SARKISYAN, M.A.; TORGOMYAN, A.Kh.; KARAGEZYAN, A.G.

Role of *Entamblia* in intestinal diseases in children. Zhur.  
eksp. i klin. med. 3 no.3:81-87 '63. (MIRA 17:1)

1. Institut epidemiologii i gigiyeny Ministerstva zdravo-  
okhraneniya Armyanskoy SSR.

KYANDARYAN, K.A., starshiy nauchnyy sotrudnik; TORGOMYAN, G.B.,  
mladshiy nauchnyy sotrudnik

Radiation exposure of the sick and the personnel in some X-ray  
investigations and in the therapeutic application of radioactive  
isotopes. Vop. radiobiol. [AN Arm. SSR] 1:41-45 '60. (MIRA 15:3)

1. Iz Sektora radiobiologii AN Armyanskoy SSR, Instituta  
rentgenologii i onkologii.  
(RADIATION PROTECTION)  
(RADIOISOTOPES--THERAPEUTIC USE)

TORGOMYAN, L.T.; NERSESYAN, V.M.

Inheritance of blood groups in man. Zhur. eksp. i klin. med.  
5 no.1:110-114 '65. (MIRA 18:10)

TORGOMYAN, M.S.

Effect of the averaging of monthly consumption on the computed production value of electric energy for an unregulated hydroelectric power station. Izv.AN Arm.SSR.Ser.JMET nauk 6 no.1:91-104 Ja-F '56.

1. Vodno-energeticheskiy institut AN Armyanskoy SSR.  
(Hydroelectric power stations)

TORGOMYAN, M.S., kand. tekhn. reuk; CHILINGARYAN, L.A., kand. tekhn. nauk; SHAKHBAZYAN, Sh.A., kand. tekhn. nauk; AGAKHANYAN, G.A., kand. sol'khoz. nauk; KULOYAN, L.T., kand. tekhn. nauk; ARSHAKYAN, D.T.; BARKHUDARYAN, I.G.; SARKISYAN, S.G., kand. tekhn. nauk; MKHITARYAN, S.A.; OSEYAN, A.M., doktor ekon. nauk, prof.; BEK-MARCHEV, B.I., kand. geogr. nauk, red.; AYVAZ'YAN, V.G., otv. red.; FEL'DMAN, M.P., otv. red.; AVETISYAN, A.A., tekhn. red.; CHAKHAIYAN, TS.P., tekhn. red.

[Results of the combined studies of the Sevan problem] Rezul'taty kompleksnykh issledovanii po Sevanskoi probleme. Erevan, Izd-vo Akad. nauk Armianskoi SSR. Vol.3. [Water resources and power engineering] Vodnoe khoziaistvo i energetika. 1962. 330 p. (MIRA 15:11)

1. Akademiya nauk Armyanskoy SSR, Eriwan. Institut vodnykh problem.

(Sevan Lake region--Water resources development)

(Sevan Lake region--Power engineering)

TORGOMYAN, M.S.

Characteristics of mountain river water resources from the standpoint  
of power utilization. Izv. AN Arm. SSR. Ser. FMET nauk 8 no.2:75-84  
(MIRA 8:7)  
Mr-Ap '55.

1. Vodno-energeticheskiy institut Akademii nauk Armyanskoy SSR.  
(Armenia--Hydroelectric power)

TOROMYAN, T. L., (Physician)

Dissertation: "Role of the Transfusion of an Erythrocytic Mass in the Comprehensive Treatment of Postmalarial Anemia." Cand Med Sci, Yerevan Medical Inst, 26 May 54. Kommunist, Yerevan, 13 May 54.

SO: SUM 284, 26 Nov 1954

TORGONSKIY, Mikhail Nikolayevich, dots., kand. tekhn. nauk;  
DOROVSKOY, Ivan Mikhaylovich, retsenzent; FEDORENKO, Mikhail  
Fedorovich, retsenzent; LOBACHEV, N.V., red.; PITZERMAN, Ye.L.,  
red. izd-va; PARAKHINA, N.L., tekhn. red.

[Principles of construction work] Osnovy stroitel'nogo dela.  
Moskva, Goslesbumizdat, 1961. 221 p. (MIRA 15:3)  
(Construction industry)

TORGOVITSKAYA, M.S.

TORGOVITSKAYA, M.S.

~~Case of food toxinfection. Zhur.mikrobiol.epid. i immun. 28 no.8:  
129-130 Ag '57.~~

1. Iz Zaporozhskoy oblastnoy sanitarno-epidemiologicheskoy stantsii  
(FOOD POISONING, case reports.  
(Rus))

TORGONENKO, K. Ye

NEDOSPASOV, A. V.; TORGONENKO, K. Ye.

The range of low-voltage arc in inert gases. Radiotekh. i elektron.  
2 no.4:494-501 Ap '57. (MLRA 10:9)

1. Moskovskiy elektrolamplvyy zavod.  
(Electric discharges through gases)

TORGONENKO, K. YE.

AUTHOR: Nedospasov, A.V. and Torgonenko, K.Ye. 109-4-15/20

TITLE: The Region of Low-voltage Arc in Inert Gases. (Oblast' nizkovoltnoy dugi v inertnykh gazakh)

PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol.2, No.4, pp. 494 - 501 (USSR).

ABSTRACT: In an earlier work [Ref. 1] one of the authors attempted to give the theory of the low-voltage of low-pressure arc discharges. The resulting formulae were not very accurate and did not always agree with the available experimental data (e.g. see Ref. 3). A new formula for the electric charge distribution in the low-voltage region of a cylindrical tube of radius  $r_0$  is therefore proposed; the charge density as a function of radial and axial distances (  $r$  and  $z$  ) is in the form:

$$n(r, z) = \dots \quad (5)$$

where  $\mu_a$  satisfies the transcendental equation:

$$\mu \tilde{J}_1(\mu) = \dots \quad (6)$$

in which  $U_p$  and  $U_e$  are the temperatures of ions and electrons (expressed in electron-volts),  $\lambda_p$  is the mean free path of the ions and  $c$  is a dimensionless quantity which can be

The Region of Low-voltage Arc in Inert Gases.

109-4-15/20

determined from the condition that  $Q$  is equal to the diffusion current at the walls of the tube;  $D_a$  is the diffusion coefficient. Eq.(5) can be used to derive an expression for the axial field in the tube and to determine the length  $D$  of the low-voltage arc. It is shown that:

$$D = \frac{r_0}{\mu_1} \ln \left( \frac{kb_e e_0 Q}{b_p i} \right) \quad (8)$$

where  $i$  is the current and  $k = 2\pi c J_1(\mu_1) a_1$ .

The low-voltage arc region was also investigated experimentally. The measurements were carried out in three cylindrical tubes (with diameters of 62, 36 and 23 mm) which were fitted with moving disc-shaped anodes; the cathodes were in the form of a small filament which could be heated in order to initiate an arc discharge; one of the tubes was fitted with a moving probe which was used in measuring the diffusion current at the walls. Length of the low-voltage arc was measured in Kr, Ar, Ne and Ar + Hg as a function of pressure  $p$  at a current of 0.3 A

Card2/3 (Fig.4). It was found that  $D$  can be expressed as:

The Region of Low-voltage Arc in Inert Gases.

109-4-15/20

$$D = \frac{r_0}{a} \ln \frac{A}{p} \quad (10)$$

where  $a$  and  $A$  are constants. Density of the ion current diffusing to the walls was measured as a function of the distance from the cathode for gas pressures ranging from 2 to 10 mm Hg (Figs. 5 and 7). An experimental curve of the cathode-fall of potential as a function of pressure was also taken (Fig. 8). The theory and the experimental data given in this article are only very loosely related.

There are 8 figures and 7 references, of which 6 are Slavic.

ASSOCIATION: Moscow Electric Bulb Plant  
(Moskovskiy Elektrolampovyy Zavod)

SUBMITTED: October 26, 1956.

AVAILABLE: Library of Congress.

Card 3/3

TORGONENKO, Ye.

Transfer to a seven-hour workday and wage regulation in the construction industry. Sots.trnd.5 no.4:51-57 Ap '60. (MIRA 13:9)  
(Construction industry) (Hours of labor)  
(Wages)

TORGONENKO, Ye.

New wage system for line engineering and technical workers in  
construction. Sots. trud no. 7:125-130 Jl '58. (MIRA 11:8)  
(Construction industry--Production standards)

NIKITIN, Aleksandr Aleksandrovich; TORGONENKO, Ye. A., otv. red.;  
KUSHKINA, R. I., red. izd-va; MELENT'YEV, A. M., tekhn.red.

[Tables for calculating the wages of construction workers]  
Tablitsy dlia rascheta zarabotnoi platy rabochikh na  
stroitel'stve. Moskva, Gosstatizdat, 1961. 197 p.  
(MIRA 15:7)

(Wages--Construction industry)

TORGONENKO, Ye. A.

GAL'PERIN, M.I., inzhener; TORGONENKO, Ye.A., inzhener; DEGTYAREV, A.P.,  
inzhener.

Working frozen ground. Stroi.prom. 32 no.10:14-17 0 '54. (MLR 7:11)  
(Earthwork) (Frozen ground)

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KPA (EPA(f-1)/EPA(f-2)/EPT(m)/EPT(c))/EPR Pt-4/Ps-4/Pt-10 ESD/AFWL

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## ACCESSION NUMBER: 10-10-10

S/0170/64/000/010/0028/0036

AUTHOR: Kovalev, A. P.; Ippolitov, A. S.; Torgonenko, Iu. A.  
Bkhaduri, D.; Chelnokov, N. I.; Shneyder, Yu. R.

5

TITLE: Flame propagation in laminar and turbulent flows

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 10, 1964, 28-36

TOPIC TAGS: flame propagation, laminar flow, turbulent flow, combustion

**ABSTRACT:** The proposed theory of flame propagation in turbulent flows of mixed gases is based on the assumption that under certain conditions the known differential equation of thermal conductivity is applicable to both laminar and turbulent flows. According to this theory, flame propagation in a turbulent flow may be calculated by taking account of the dependence between the time average parameters of combustion (temperature, concentration, flow velocity, density, and the reaction rate) and the turbulent exchange characteristics,  $E_T/ud$  (where  $E_T$  is the turbulent exchange coefficient,  $u$  is the gas

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ACCESSION NR: AP4047821

velocity, and  $d$  is the nozzle diameter). On the basis of the concepts of molecular and turbulent thermal conduction, the following

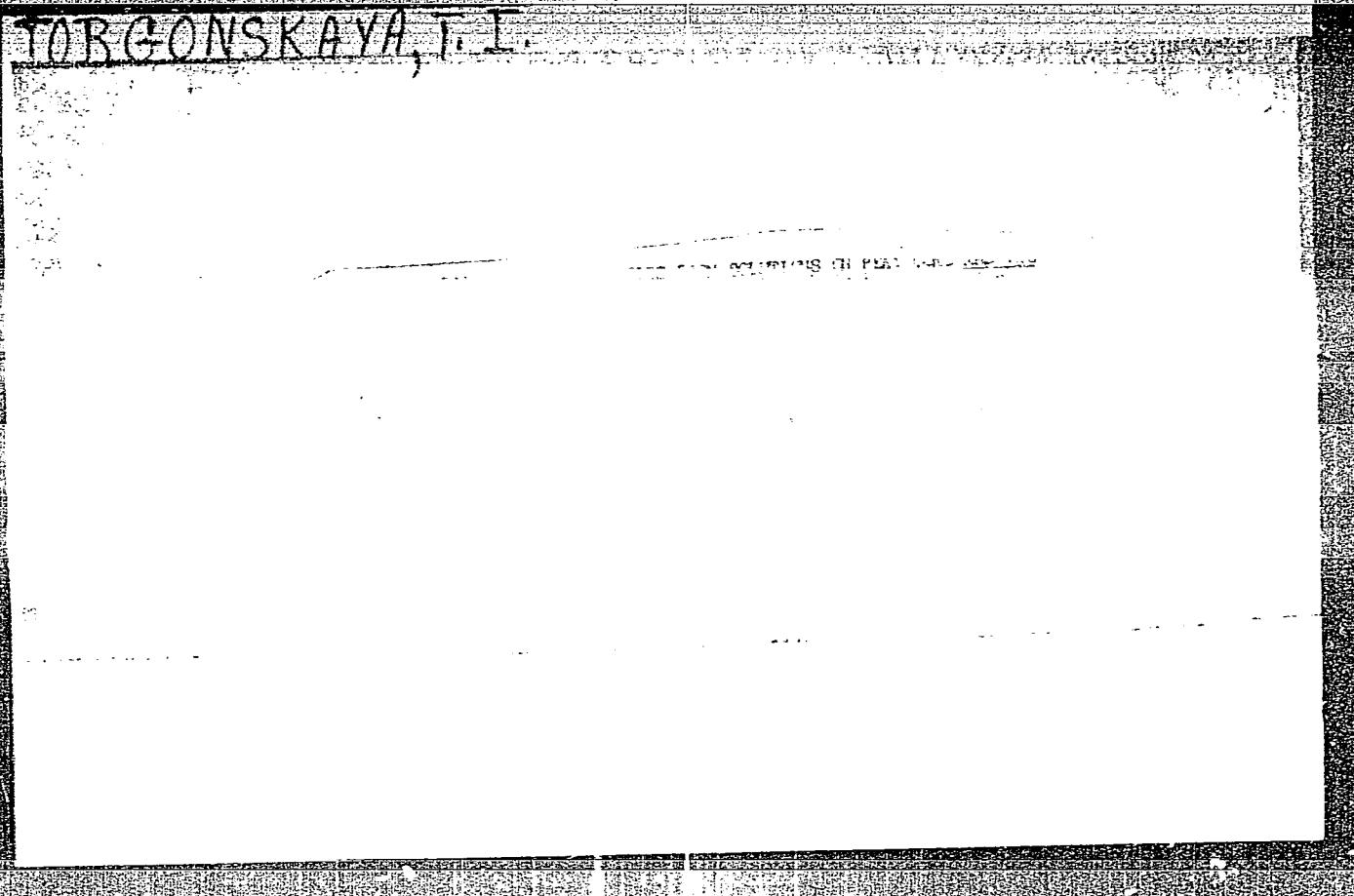
equation is obtained:

ASSOCIATION: Energy efficiency factor  $\eta = \frac{1}{1 + \frac{1}{2} \left( \frac{1}{\lambda} \frac{d}{L} \right)^2}$

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Information of interest to [redacted] from [redacted] on [redacted] 19[redacted]

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GUBIN, R., parikmakher (Khar'kov); TORGONSKIY, M. (Krasnoyarsk); SLAVIN, R.

Expert hairdressers write to us. Zhil.-kom. khol. 13 no.4:21 Ap  
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(for Slavin).  
(Hairdressing)

TORGONSKIY, Mikhail Nikolayevich, kand.tekhn.nauk; KSENOFONTOV, M.A.,  
retsenzent; YEVSTAF'YEVA, N.V., retsenzent; LERMAN, A.S., red.;  
PITERMAN, Ye.L., red.izd-va; SHITS, V.P., tekhn.red.

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